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Attorney's Docket: UCT-0003-00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Bahram Javidi and Osamu Motaba

Serial No.: 09/993,894

Filed: November 23, 2001

For: Method For Secure Ultrafast Communication

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on April 3, 2002

(Date of Deposit)  
Competitive Technologies, Inc.  
Name of applicant, assignee, or registered rep.  
Donna J. May 4/3/2002  
Signature Date

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Applicant submits herewith a Form PTO/SB/08B and a copy of each document listed thereon.

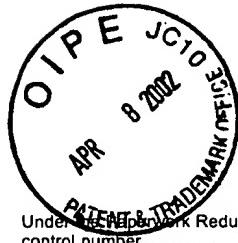
To the best of Applicant's knowledge, this Information Disclosure Statement is being filed before the first Office Action on the merits in the present application, so no fee is due under Rule 97.

The listed documents are brought to the Examiner's attention because cited in the specification of the instant application or are known to Applicant and/or Applicant's attorney, and may be considered by the Examiner to be material to the examination of this application. This submission should not be construed as a representation that a search has been made or that no better art exists. No inference should be made that the documents constitute prior art or are in fact material merely because they are referenced in this submission.

Respectfully submitted,

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April 3, 2002



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 2

### Complete if Known

Application Number	09/993,894
Filing Date	November 23, 2001
First Named Inventor	Bahram Javidi
Group Art Unit	
Examiner Name	
Attorney Docket Number	UCT-0003-00

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		H.-Y., Li, Y. Qiao, and D. Psaltis, "Optical neural network for real-time face recognition," Appl. Opt. 32, 5026-5035 (1993)	
		C. L. Wilson, C. I. Wilson and E.G. Peak, "Combined optical neural network fingerprint matching," in Optical Pattern Recognition VIII, D.P. Casasent and T. Chao, eds. Proc. SPIE 3073, 373-382 (1997)	
		B. Javidi and J. L. Horner, "Optical pattern recognition for validation and security verification," Opt. Eng. 33, 1752-1756 (1994)	
		P. Réfrégier and B. Javidi, "Optical image encryption based on input plane and Fourier plane random encoding," Opt. Lett. 20, 767-769 (1995).	
		H. F. Heanue, M.C. Bashaw, and L. Hesselink, "Encrypted holographic data Storage Based on Orthogonal-phase-code multiplexing," Appl. Opt. 34, 6012-6015 (1995).	
		F. Goudail, F. Bollaro, B. Javidi, and P. Réfrégier, "Influence of a perturbation in a double phase-encoding system," J. Opt. Soc. Am. A 15, 2629-2638 (1998)	
		N. Yoshikawa, M. Itoh, and T. Yatagai, "Binary computer-generated holograms for Security Applications from a Synthetic Double-exposure method by electron-beam-lithography," Opt. Lett. 23, 1483-1485 (1998)	
		O. Matoba and B. Javidi, "Encrypted optical memory system using three-dimensional keys in the Fresnel domain," Opt. Lett. 24, 762-764 (1999)	
		G. Unnikrishnan, J. Joseph, and K. Singh, "Optical encryption system that uses phase conjugation in a photorefractive crystal," Appl. Opt. 37, 8181-8186 (1998)	
		Y.T. Mazurenko, "Holography of wave packets," Appl. Phys. B 50, 101-114 (1990)	

Examiner  
Signature

Date  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	09/993,894
				Filing Date	November 23, 2001
				First Named Inventor	Bahram Javidi
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	UCT-0003-00

#### **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

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